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- (71) Applicant (for all designated States except US): **LET THERE BE HOPE MEDICAL RESEARCH INSTITUTE [US/US]**; 200 North Robertson Boulevard, Suite 208, Beverly Hills, California 90211 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **GIESELER, Robert K.** [US/US]; 1203 N. Kings Road, #103, West Hollywood, California 90069 (US). **MARQUITAN, Guido** [US/US]; 747 Wilcox Avenue, Apt. 105, Los Angeles, California 90038 (US). **SCOLARO, Michael J.** [US/US]; 107 North Beverly Glen Boulevard, Los Angeles, California 90077 (US). **SCHWARZ, Andreas** [DE/DE]; Zuelpicher Str. 318, D-50937 Köln (Cologne) Germany (DE).
- (74) Agent: **FUJIYAMA, Sandra S.**; and other members of the firm, SIDLEY AUSTIN BROWN & WOOD LLP, 555 West Fifth Street, Los Angeles, California 90013 (US).
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(54) Title: CARBOHYDRATE-DERIVATIZED LIPOSOMES FOR TARGETING CELLULAR CARBOHYDRATE RECOGNITION DOMAINS OF CTL/CTLD LECTINS, AND INTRACELLULAR DELIVERY OF THERAPEUTICALLY ACTIVE COMPOUNDS

(57) Abstract: Methods for preferentially delivering an active agent intracellularly to a reservoir cell that is infected with or susceptible to infection with an infectious agent, such as HIV. The active agent is part of a lipid-active agent complex that has a targeting ligand, such as a CTL/CTLD receptor-specific anchor, on its outer surface. Targeting systems are also disclosed. Such targeting systems are comprised of lipid-active agent complexes that contain targeting ligands, such as fucose and polyfucose derivatives, on their outer surfaces. The active agents include plant lectins, such as Con-A and MHL, and other drugs. Such methods and targeting systems may be used in the treatment of HIV and other infectious and non-infectious diseases.